AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1   Claim 1 (currently amended): A security method for use in
2   a communication system, the security method comprising:
3   receiving an IP packet including a source address and
4   a destination address;
5   obtaining physical location information indicating the
6   location of a user device which is the source of said IP
7   packet <u>prior to delivery of the packet to the destination</u>
8   <u>address</u>; and
9   determining, as a function of the obtained physical
10   location information, an action to be taken.

1   Claim 2 (original): The security method of claim 1,
2   wherein determining an action to be taken includes:
3   comparing the obtained physical location information
4   to information listing physical locations authorized to
5   obtain access to a service for which security is to be
6   provided.

1   Claim 3 (original): The security method of claim 2,
2   further comprising:
3   dropping said packet when said comparing does not
4   result in a match between the obtained physical location
5   information and the information listing physical locations
6   authorized to obtain access to the service.

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1 Claim 4 (original): The security method of claim 2,
2 wherein said service is one of a banking service, video on
3 demand service and a music on demand service.

1 Claim 5 (original): The security method of claim 2,
2 further comprising:
3   forwarding said packet to the destination address when
4 said comparing results in a match between the obtained
5 physical location information and the information listing
6 physical locations authorized to obtain access to the
7 service.

1 Claim 6 (original): The security method of claim 1,
2 wherein obtaining physical location information includes:
3   transmitting a location information request message
4 including the source address of the received IP packet; and
5   receiving in response to said transmitted location
6 information request message, information corresponding to
7 the location of the user device.

1 Claim 7 (original): The security method of claim 6,
2 further comprising:
3   determining the location of the user device from edge
4 router and port information obtained from an edge router.

1 Claim 8 (original): The security method of claim 7,
2 wherein determining the location of the user device further
3 includes:
4   performing a database lookup operation to retrieve a
5 geographic location stored in association with said edge
6 router and port information.

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1   Claim 9 (currently amended): A security method for use in a

2   communication system, the security method comprising:

3   (a) receiving an IP packet including a source address

4   and a destination address;

5   (b) obtaining physical location information indicating

6   the location of a user device which is the source of said

7   IP packet, by:

8   (i) transmitting a location information request

9   message including the source address of the received IP

10 packet,

11   (ii) receiving in response to said transmitted

12 location information request message, information

13 corresponding to the location of the user device determined

14 from edge router and port information obtained from an edge

15 router and a device identifier associated with the source

16 address of said IP packet~,

17   (iii) performing a database lookup operation to

18 retrieve a geographic location stored in association with

19 said edge router and port information, and

20   (iv) comparing the received device identifier to

21 a list of device identifiers corresponding to stolen

22 devices; and

23   ~~The security method of claim 8, further~~

24 ~~comprising: further receiving, in response to said~~

25 ~~transmitted location information request message,~~

26   (c) determining, as a function of the obtained

27 physical location information, an action to be taken.

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1   Claim 10 (original): The security method of claim 9,

2   wherein said device identifier is a MAC address.

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1   Claim 11 (currently amended): The method of claim 9,
2   further comprising:
3   generating a message indicating the detection of a
4   stolen device when said comparing step detects a match
5   between the received device identifier and ~~an~~ a device
6   identifier in said list of device identifiers corresponding
7   to stolen devices.

1   Claim 12 (currently amended): The method of claim 11,
2   wherein said generated message includes information
3   indicating the ~~a~~ geographic location where the identified
4   stolen device is being used.

1   Claim 13 (original): The method of claim 12, wherein said
2   geographic location is a post office address.

1   Claim 14 (original): The method of claim 1, further
2   comprising:
3   determining if the destination address corresponds to
4   a service for which security is to be provided; and
5   wherein said steps of obtaining physical location
6   information and determining an action to be taken are
7   performed when it is determined that said destination
8   address corresponds to a service for which security is to
9   be provided.

1   Claim 15 (currently amended): A security device for use in
2   a communication system in which IP packets are transmitted,
3   the device comprising:
4   means for receiving an IP packet including a source
5   address and a destination address;

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6   means for obtaining physical location information

7   indicating the location of a user device which is the

8   source of said IP packet prior to delivery of the packet to

9   the destination address; and

10   means for determining, as a function of the obtained

11   physical location information, an action to be taken.

1   Claim 16 (original): The security device of claim 15,

2   further comprising:

3   a database of physical location information listing

4   physical locations authorized to obtain access to said

5   service; and

6   wherein said means for determining an action to be

7   taken includes a comparator for comparing the obtained

8   physical location information to information listing

9   physical locations authorized to obtain access to a service

10   for which security is to be provided.

1   Claim 17 (original): The security device of claim 16,

2   further comprising:

3   means for dropping said packet when said comparing

4   does not result in a match between the obtained physical

5   location information and the information listing physical

6   locations authorized to obtain access to the service.

1   Claim 18 (original): The security device of claim 2,

2   wherein said service is one of a banking service, video on

3   demand service and a music on demand service.

1   Claims 19-31 (canceled):

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1 Claim 32 (currently amended): A location verification
2 method, the method comprising;
3   receiving an IP packet including a source address and
4 a destination address;
5   determining from said source address the ~~geographic~~
6 physical location from which said IP packet was sent prior
7 to delivery of the packet to the destination address;
8   comparing the determined ~~geographic~~ physical location
9 information to expected information indicating the expected
10 source of an IP packet; and
11   determining a reporting error when said determined
12 ~~geographic~~ physical location information does not match the
13 expected ~~geographic~~ physical location information.

1 Claim 33 (original): The location verification method of
2 claim 32, further comprising:
3   transmitting a message including information on the
4 determined reporting error to a law enforcement authority.

1 Claim 34 (currently amended): The location verification
2 method of claim 33, further comprising:
3   including the determined ~~geographic~~ physical location
4 information in said message.

1 Claim 35 (original): The location verification method of
2 claim 34, further comprising:
3   identifying the device transmitting said IP packet
4 from a MAC address determined from a database associating
5 said MAC address with said source address.

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1   Claim 36 (currently amended): ~~The location verification~~
2   ~~method of claim 35, the method further comprising:~~ A
3   location verification method, the method comprising;
4   receiving an IP packet including a source address
5   wherein said IP packet is transmitted from a bracelet worn
6   by a parolee and wherein said IP packet includes parolee
7   identification information[[,]];
8   determining from said source address the physical
9   location from which said IP packet was sent;
10   comparing the determined physical location information
11   to expected information indicating the expected source of
12   an IP packet;
13   determining a reporting error when said determined
14   physical location information does not match the expected
15   physical location information;
16   transmitting a message including information on the
17   determined reporting error to a law enforcement authority;
18   including the determined physical location information
19   in said message;
20   identifying the device transmitting said IP packet
21   from a MAC address determined from a database associating
22   said MAC address with said source address; and
23   including in said message information obtained from
24   said IP packet identifying the parolee.

1   Claim 37 (original): The location verification method of
2   claim 33, further comprising:
3   determining if said IP packet was sent at a
4   predetermined time during which a location reporting
5   message was scheduled to be transmitted.

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